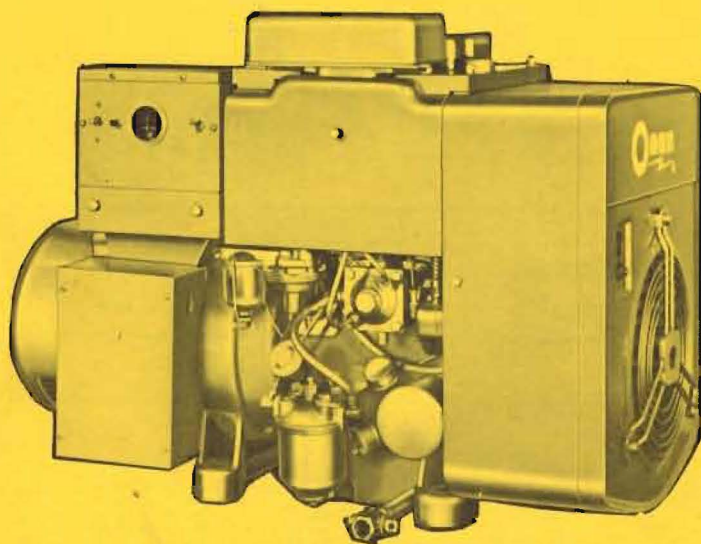


PARTS CATALOG

FOR
ONAN
ELECTRIC GENERATING PLANTS

DJA
DJB
DJC
SERIES

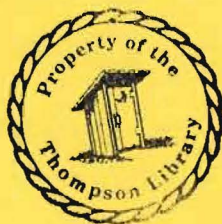


DIVISION OF STUDEBAKER CORPORATION
MINNEAPOLIS 14, MINNESOTA

967-2

Price \$1.00

Printed in U.S.A.





PARTS CATALOG

1

This parts catalog applies to the standard DJ SERIES Generating Plants as listed in the Plant Data Table.

Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the Parts List for the group. Parts illustrations represent typical items and do not necessarily portray a particular part number.

Compare your plant nameplate MODEL and SPEC NO. with the Plant Data Table. Select the Quantity used Column (A, B or C in the last column) that applies to your plant MODEL and Spec No.

Many parts are interchangeable between the 1 cylinder, 2 cylinder and 4 cylinder plants. The quantity used per engine varies, therefore the quantity used column is sub-divided. Use column A for quantity used on 1 cylinder models, column B for quantity used on 2 cylinder models and column C for quantity used on 4 cylinder models.

Unless otherwise mentioned in the parts description, parts are interchangeable between the various models on which they are used as indicated by the quantity used columns.

Right and left sides of the plant are determined by FACING the engine end (front) of the complete plant.

Plant Data Table

MODEL & SPEC	NO. CYL.	ELECTRICAL DATA					QTY. COL.
		WATTS	VOLTS	CYCLE	WIRE	PHASE	
3DJA-1R/*	1	3000	120	60	2	1	A
3DJA-3R/*	1	3000	120/240	60	3	1	
6DJB-3R/*	2	6000	120/240	60	3	★	B
6DJB-4R/*	2	6000	120/208	60	4	3	
6DJB-5DR/*	2	6000	120/240	60	4	3	
12DJC-3R/*	4	12000	120/240	60	3	★	C

* - The Specification Letter Advances (A to B, B to C, etc) with manufacturing changes.

★ - These generators have 4 load wires which are reconnectible for 120-volt 2-wire service, or 240-volt 2-wire service, or 120/240-volt 3-wire service.

INSTRUCTIONS FOR ORDERING REPAIR PARTS

FOR PARTS OR SERVICE, CONTACT THE DEALER FROM WHOM YOU PURCHASED THIS EQUIPMENT OR REFER TO YOUR NEAREST AUTHORIZED SERVICE STATION.

TO AVOID ERRORS OR DELAY IN FILLING YOUR PARTS ORDER, PLEASE FURNISH ALL INFORMATION REQUESTED.

REFER TO THE NAMEPLATE ON YOUR PLANT

1. Always give the MODEL & SPEC. NO. and SERIAL NO.

A229

For handy reference, copy YOUR plant nameplate information in the spaces above.

2. Do not order by reference number or group number, use part number and description.
3. Give the part number, description and quantity needed of each item. If an old part cannot be identified, return the part prepaid to your dealer or nearest AUTHORIZED SERVICE STATION. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.
4. State definite shipping instructions.

Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

"Prices are purposely omitted from this Parts Catalog due to the confusion resulting from fluctuating costs, import duties, sales taxes, exchange rates, etc.

For Current parts prices, consult your Onan Dealer, Distributor or Parts and Service Center."

"En esta lista de partes los precios se omiten de proposito, ya que bastante confusion resultado de fluctuaciones de los precios, derechos aduanales, impuestos de venta, cambios extranjeros etc.

Consiga los precios vigentes de su distribuidor de productos "ONAN".

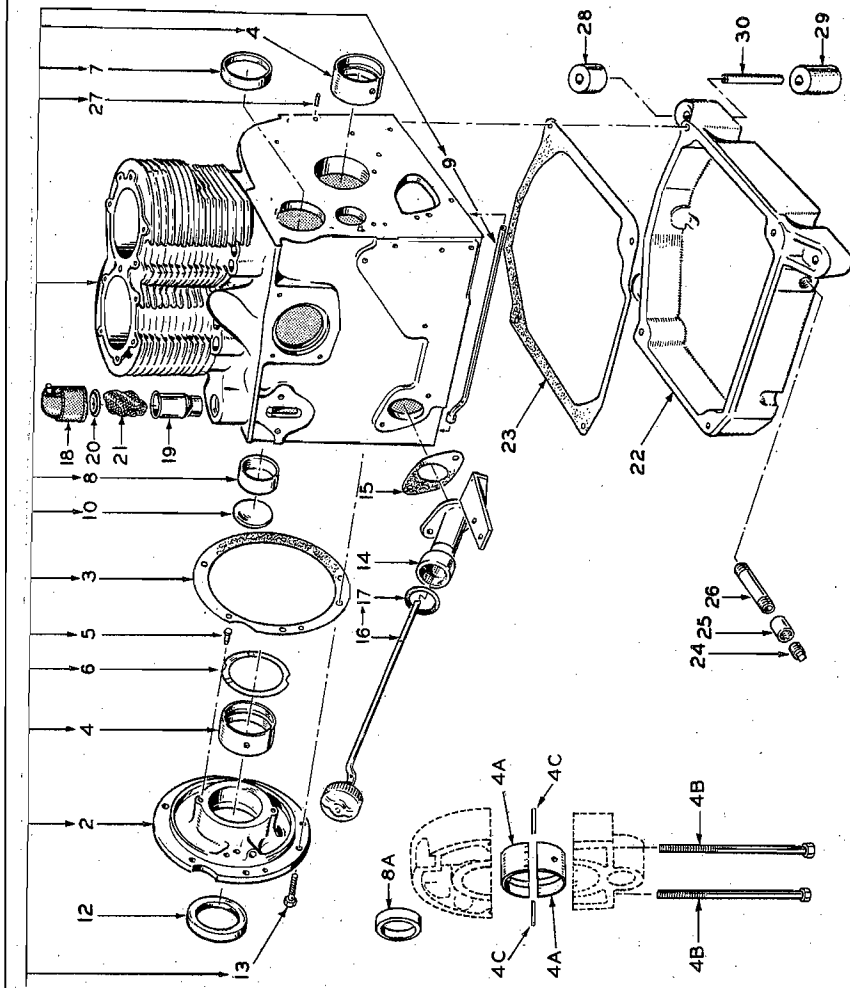


FIG.A- CRANKCASE AND OIL BASE GROUP

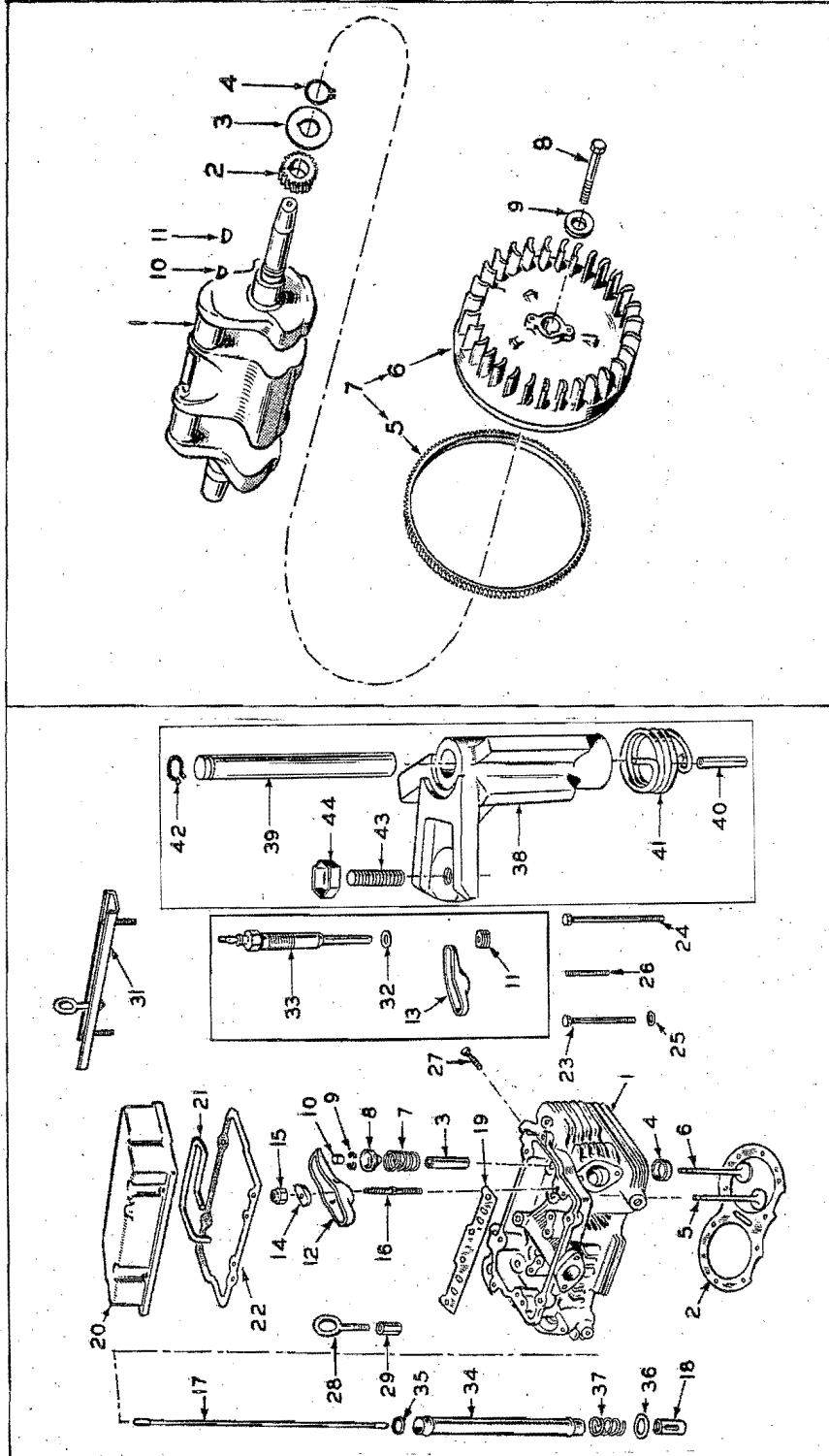
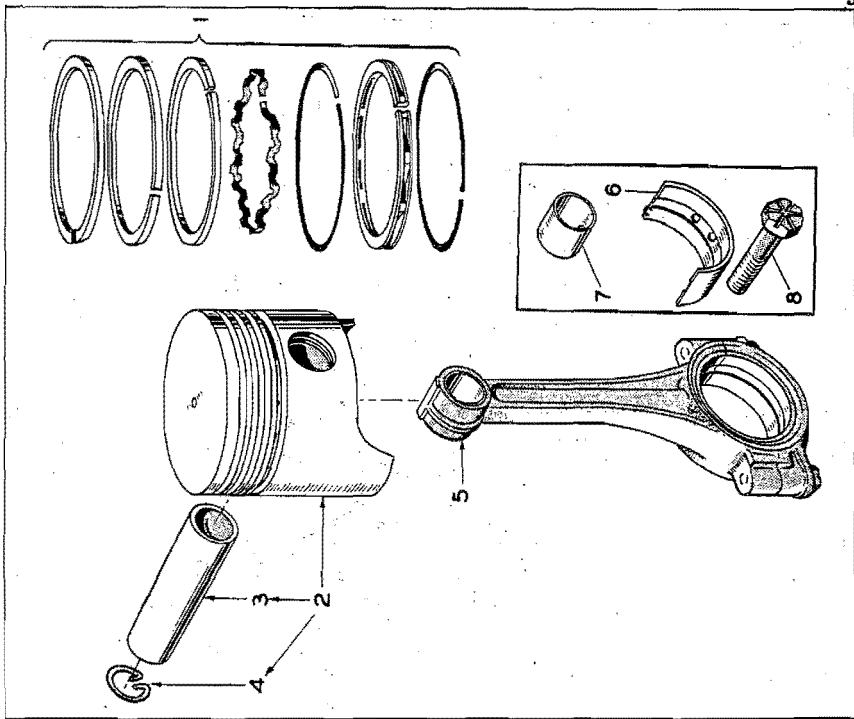
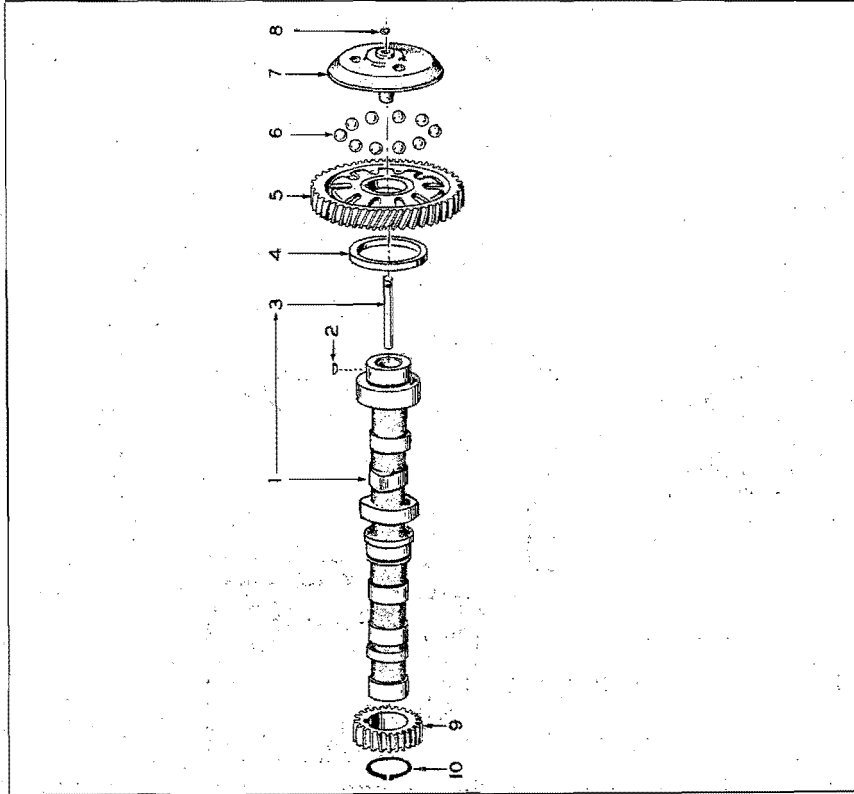


FIG. B- CYLINDER HEAD, VALVE AND ROCKER GROUP

FIG. C- CRANKSHAFT AND FLYWHEEL GROUP



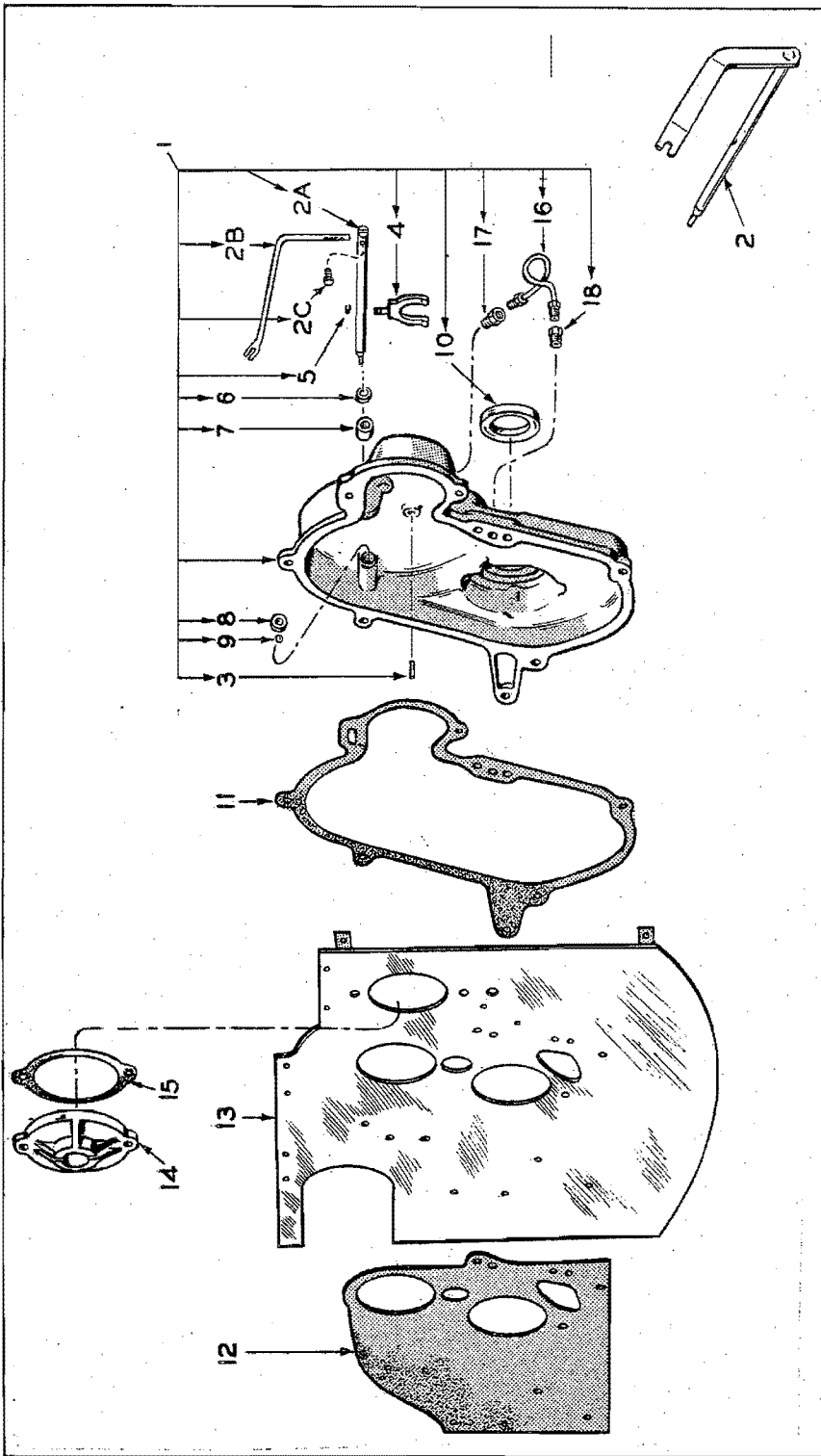


FIG.F- GEAR COVER GROUP



FIG. G- OIL SYSTEM GROUP



FIG.H- GOVERNOR GROUP

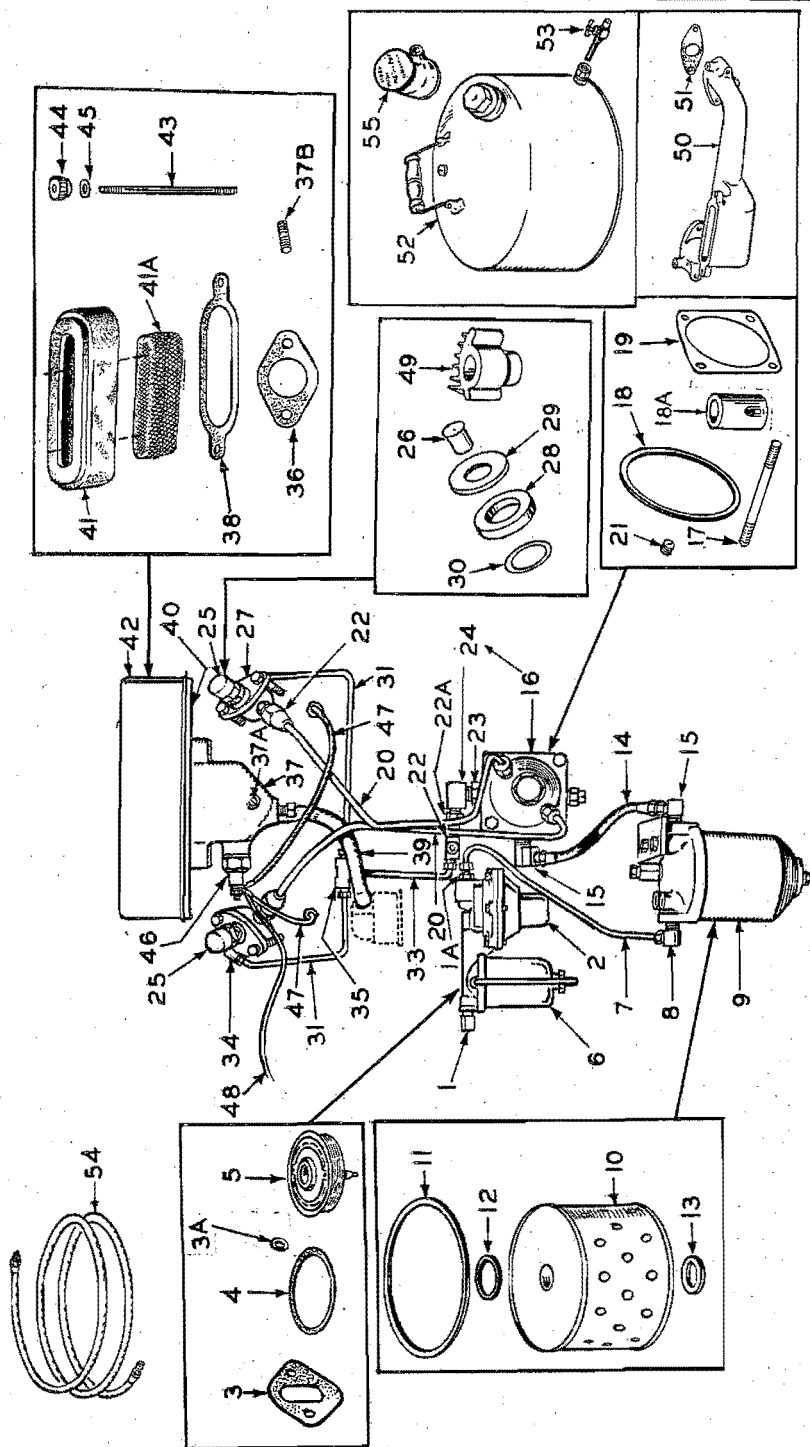


FIG. J- FUEL SYSTEM GROUP

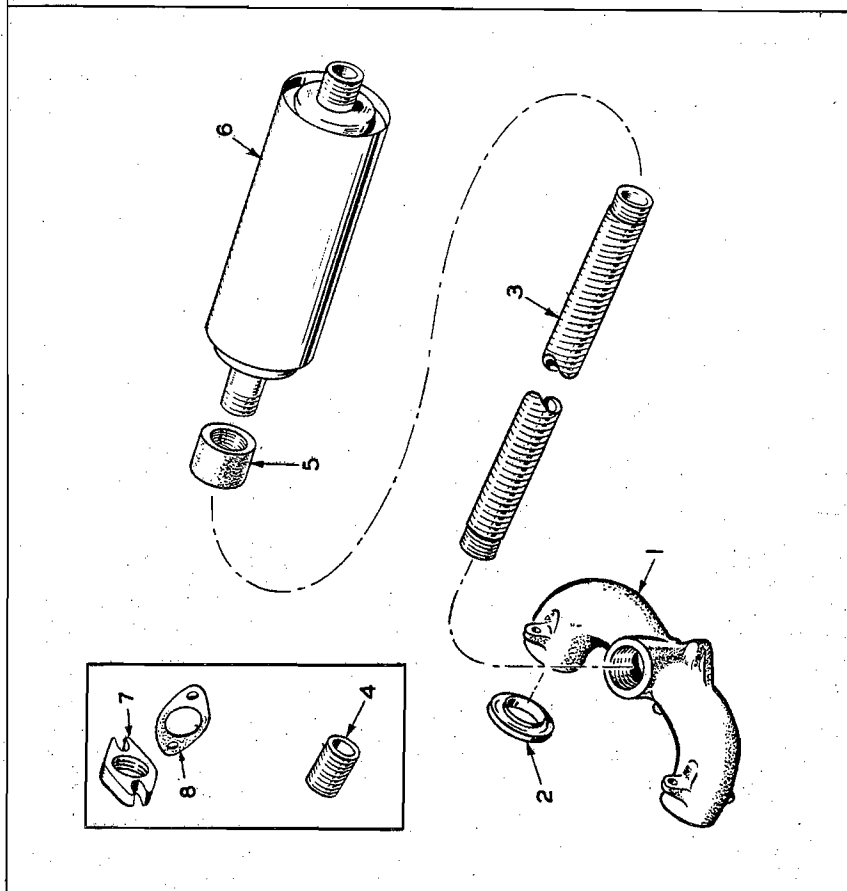


FIG. K- MANIFOLD AND EXHAUST GROUP

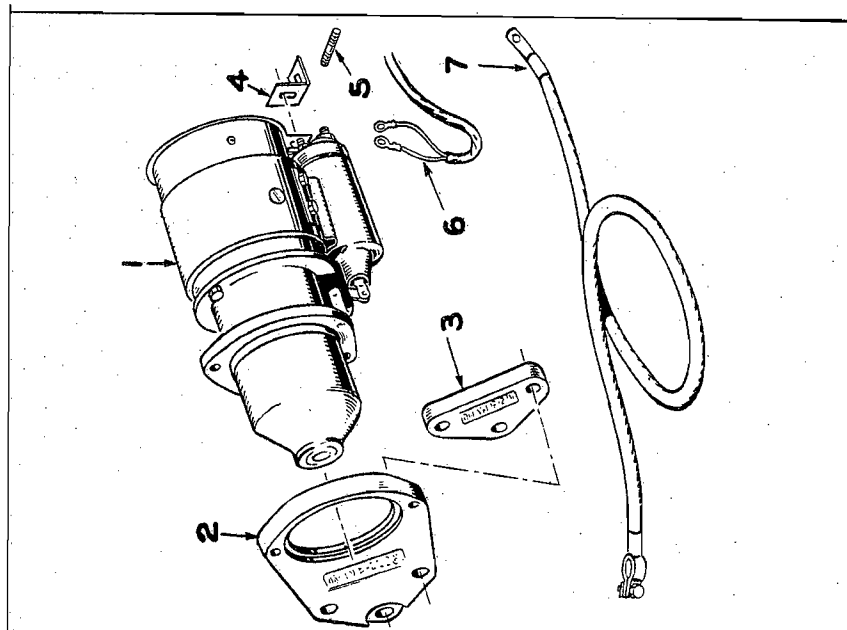
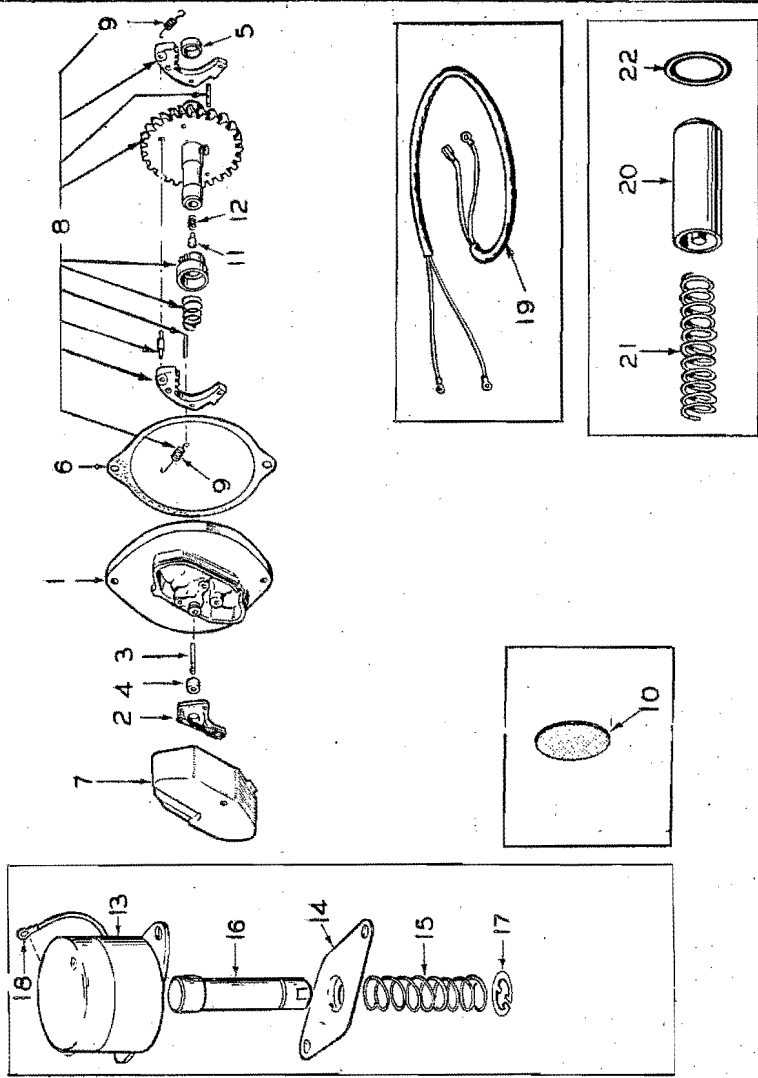
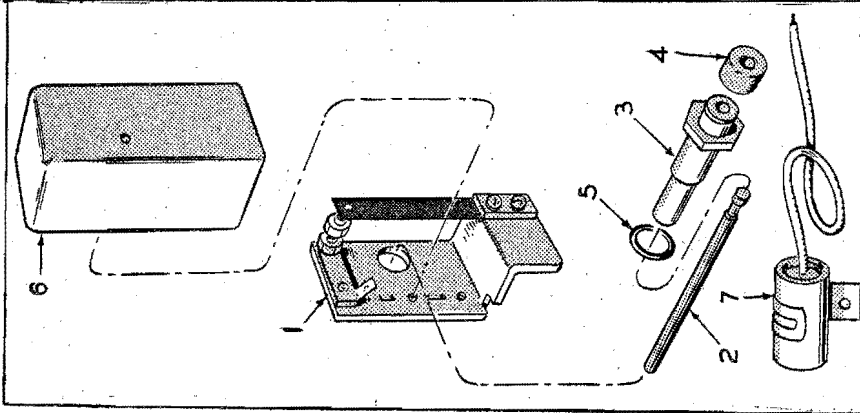


FIG. L- AUTOMOTIVE STARTER GROUP



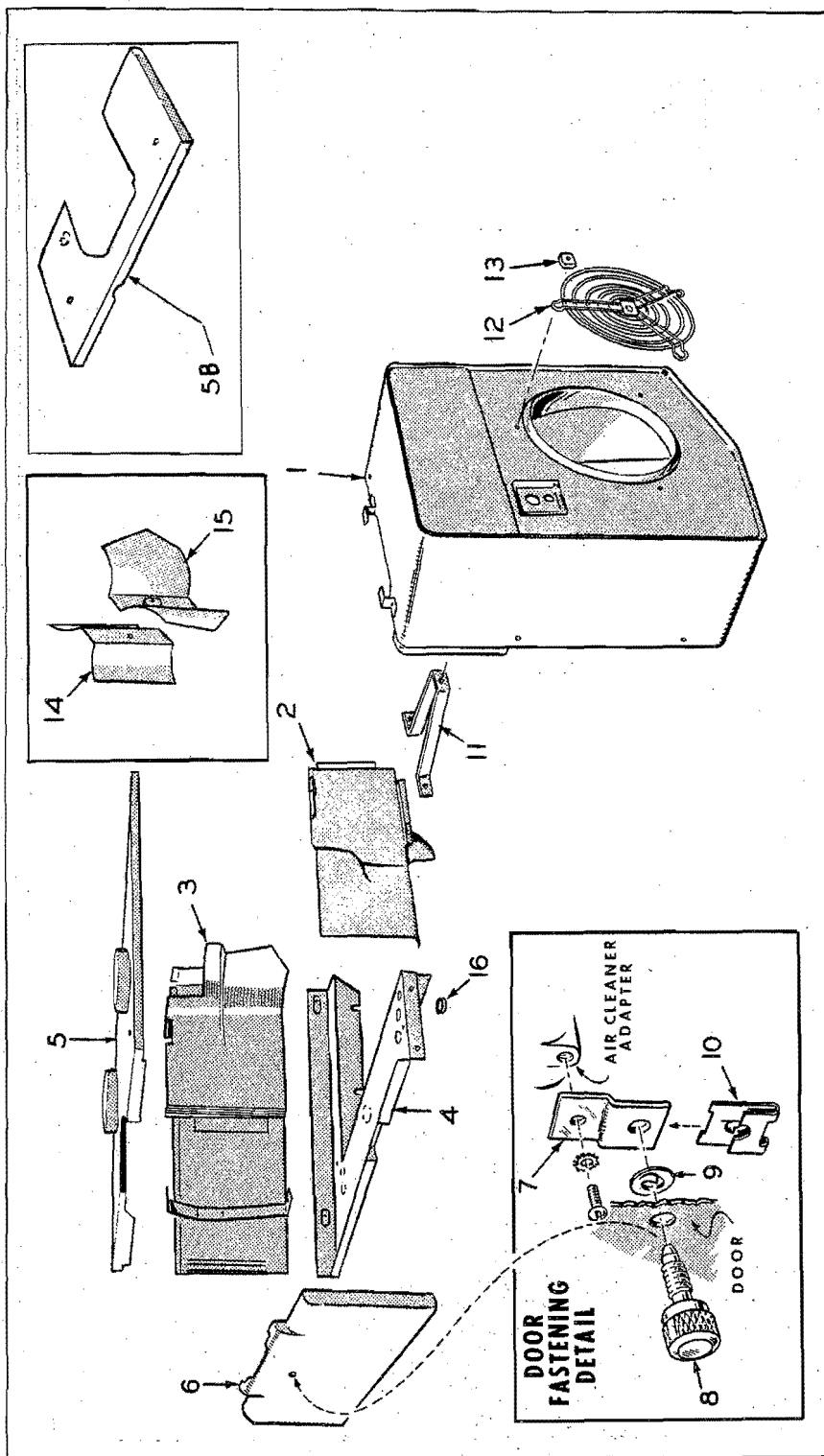


FIG. 0- AIR HOUSING GROUP

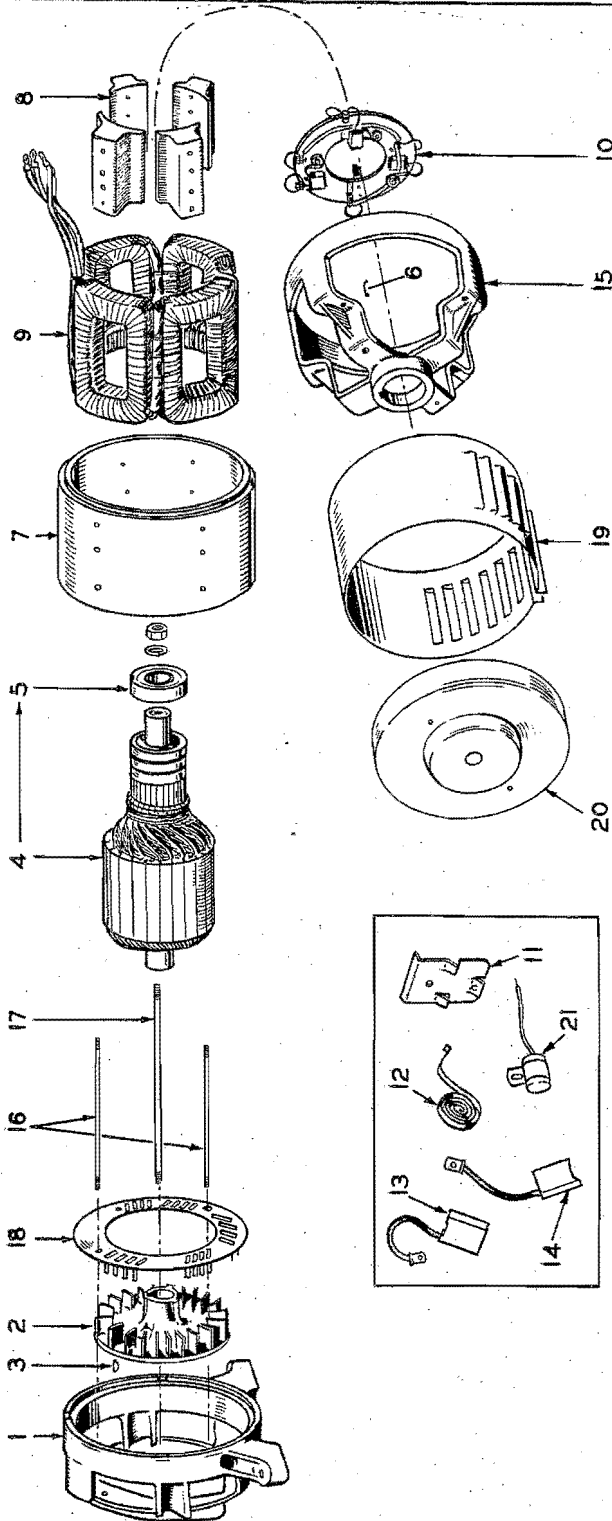


FIG. P- GENERATOR GROUP (Revolving Armature Type)

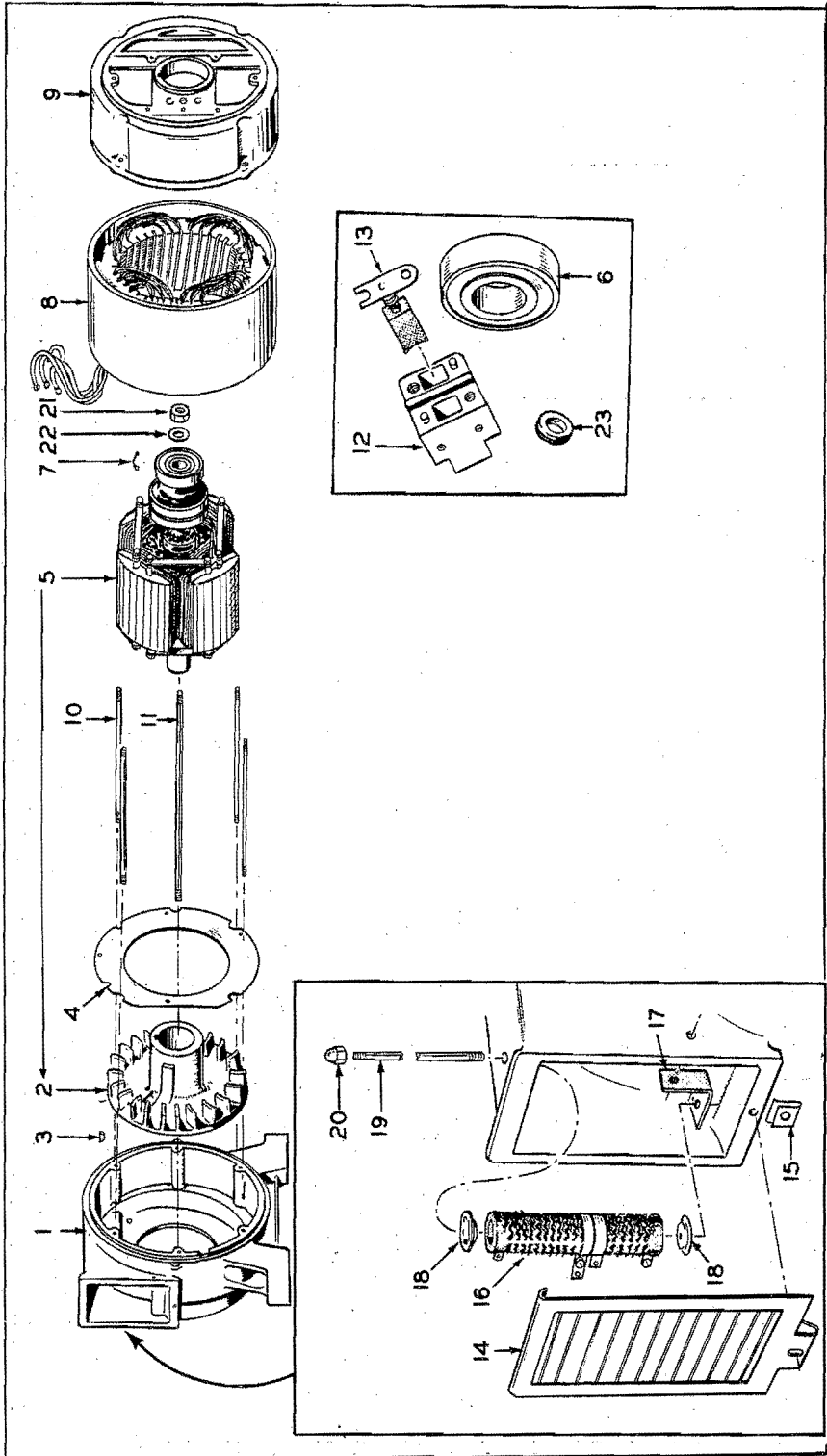


FIG. Q- GENERATOR GROUP-ALTERNATOR PORTION (Revolving Field Type)

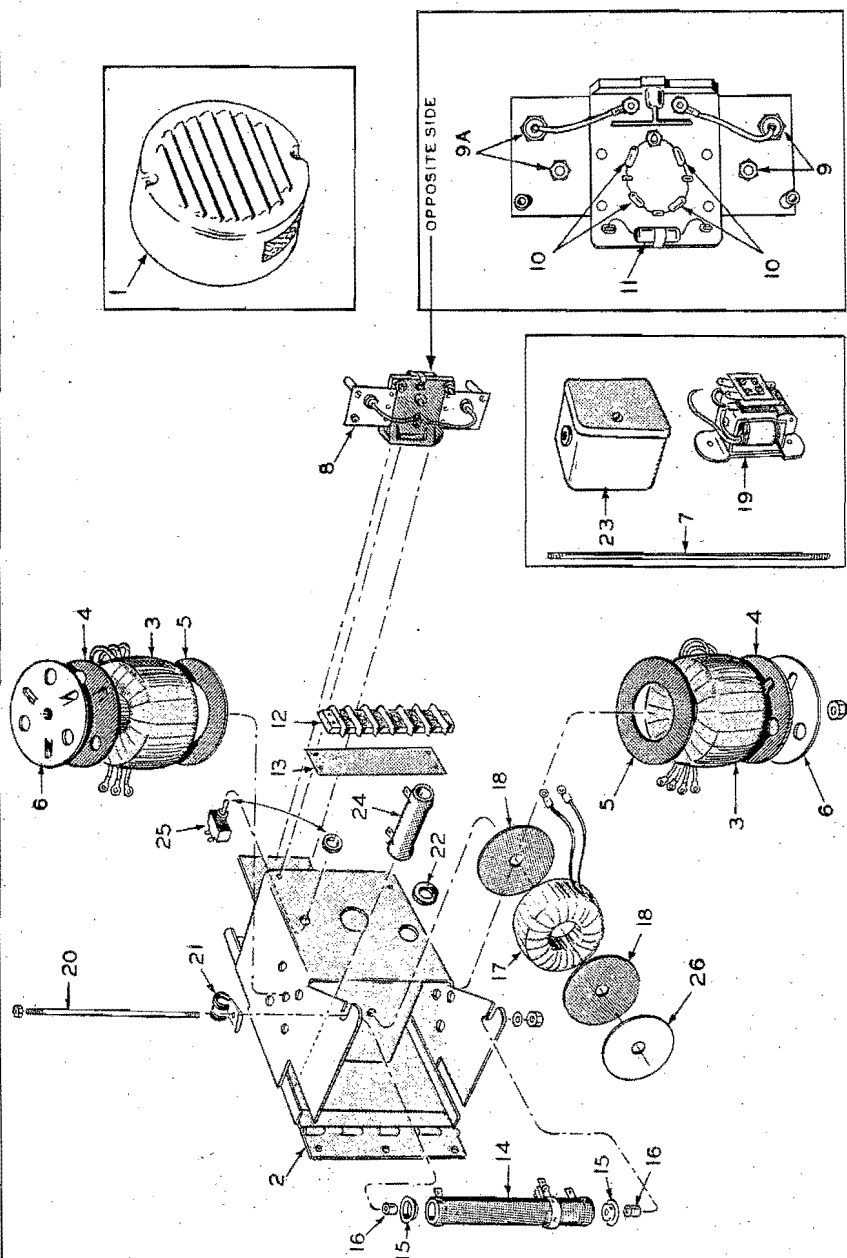


FIG. R- GENERATOR GROUP- EXCITER PORTION

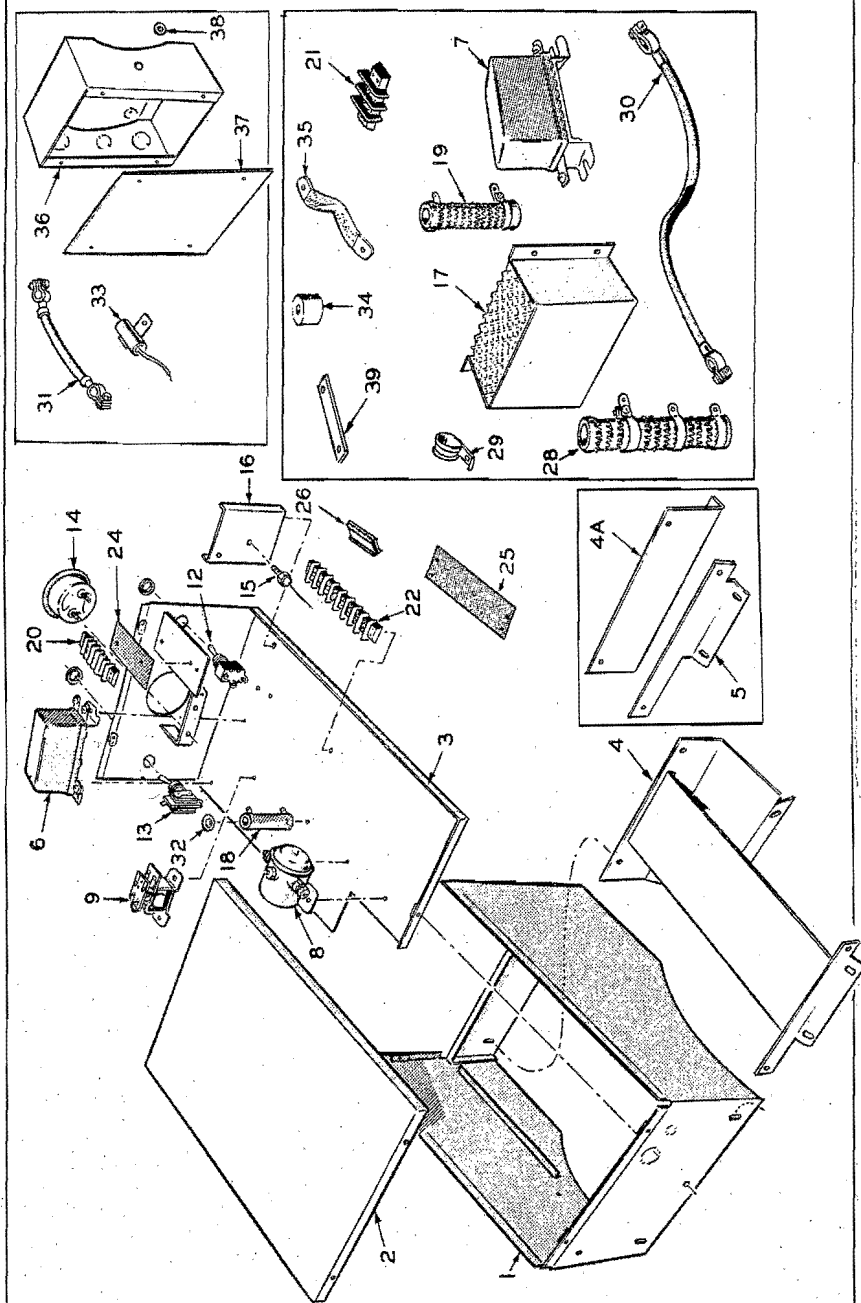


FIG. 5 CONTROL GROUP

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. A - CRANKCASE AND OIL BASE GROUP					
1	110A1335	1			Block Assembly, Cylinder - Includes Bearings
1	110A1330		1		Block Assembly, Cylinder - Includes Bearings
1	110A1332			1	Block Assembly, Cylinder - Includes Bearings
2	101D337	1	1	1	Plate, Rear Bearing - Less Bearing and Lock Pins
3	101K358	1	1	1	Gasket Kit, Rear Bearing Plate
4	101B359	2	2	2	Bearing, Precision Main - Front or Rear - Specify: Standard or .002", .010", .020" or .030" Undersize
4A	101B361			2	Bearing Half, Precision Main - Center - Specify: Standard or .002", .010", .020" or .030" Undersize
4B	101A342			2	Bolt, Center Main Bearing Housing
4C	516A149			2	Pin, Dowel - Center Main Bearing Housing
5	516A72	4	4	4	Pin, Lock - Crankshaft Thrust Washer
6	104B420	2	2	2	Washer, Crankshaft Thrust
7	101B363	1	1	1	Bearing, Precision Camshaft - Front - Standard Size Only
8	101B365	1	1	1	Bearing, Precision Camshaft - Rear - Standard Size Only
8A	101B364			1	Bearing, Precision Camshaft - Center - Standard Size Only
9	120A572	1			Tube, Crankcase Oil
9	120A553		1		Tube, Crankcase Oil
9	120A586			1	Tube, Crankcase Oil - Front
9	120A585			1	Tube, Crankcase Oil - Rear
10	517-53	1	1	1	Plug, Expansion - Rear Camshaft Opening
12	509-86	1	1	1	Seal, Oil - Crankshaft Rear
13	805-19	6	6	6	Bolt, Place - Rear Bearing Plate - 3/8 x 1-1/4"
14	123A724	1			Tube, Oil Fill
14	123A681		1	1	Tube, Oil Fill
15	123A667	1	1	1	Gasket, Oil Fill Tube Mounting
16	123A716			1	Cap and Indicator, Oil Fill
16	123A651	1	1		Cap and Indicator, Oil Fill
16	123A698			1	Cap and Indicator, Oil Fill
17	123A191	1	1	1	Gasket, Oil Fill Cap
18	123A458	1	1	1	Cap, Breather Tube

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. A - CRANKCASE AND OIL BASE GROUP (Cont.)					
19	123A645	1	1	1	Tube, Breather
20	123A315	1	1		Valve, Breather
21	123-452	1	1	1	Baffle, Breather Tube
22	102D488	1			Base, Oil
22	102D450		1		Base, Oil
22	102E476			1	Base, Oil
23	102B459	1			Gasket, Oil Base
23	102B451		1		Gasket, Oil Base
23	102B475			1	Gasket, Oil Base
24	505-56	1	1	1	Plug, Pipe - 1/2" - Oil Drain
25	505-14	1	1		Coupling, Pipe - 1/2" - Oil Drain
26	505-2	1	1		Nipple, Pipe - 1/2" x 3" - Oil Drain
27	516A141	2	2	2	Pin, Dowel - Gear Cover Locating
28	402A36	4	4	4	Mount, Vibration - Upper
29	402A38	4	4		Mount, Vibration - Lower
29	402A38			2	Mount, Vibration - Lower - Engine End
29	402A251			2	Mount, Vibration - Lower - Generator End
30	402A46	4	4	4	Bushing, Spacer - Vibration Mount
FIG. B - CYLINDER HEAD, VALVE & ROCKER GROUP					
1	110B1270	1			Head, Cylinder
1	110B1269		1	2	Head, Cylinder
2	110B1267	1			Gasket, Cylinder Head
2	110B1223		1	2	Gasket, Cylinder Head
3	110A1216	2	4	8	Guide, Valve

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
					FIG. B - CYLINDER HEAD, VALVE & ROCKER GROUP (Cont.)
4	110A1268	2	4	8	Insert, Valve Seat - Intake and Exhaust - Stellite - Specify: Standard or .002", .005", .010" or .025" Oversize
5	110B1320	1	2	4	Valve, Intake
6	110B1278	1	2	4	Valve, Exhaust - Stellite
7	110A1221	2	4	8	Spring, Valve
8	110A1220	2	4	8	Retainer, Valve Spring
9	110A858	4	8	16	Lock, Valve Spring Retainer
10	110A859	2	4	8	Cap, Valve Stem
11	509A90	1	2	4	Seal, Oil - Intake Valve - Includes Retainer Rings
12	115B128	1	2	4	Arm, Rocker - Intake
13	115B129	1	2	4	Arm, Rocker - Exhaust
14	115B127	2	4	8	Ball, Rocker Arm
15	115B150	2	4	8	Locknut, Hex - Rocker Arm
16	115A152	2	4	8	Stud, Rocker Arm
17	115B149	2	4	8	Rod, Valve Push (Steel)
18	115A132	2	4	8	Tappet, Valve
19	115A147	1			Guide, Push Rod
19	115B142	1	1	2	Guide, Push Rod
20	115C162	1			Cover, Rocker
20	115D141	1	1	2	Cover, Rocker
21	120A595	1			Line, Oil - Rocker Cover
21	120B561	1	1	2	Line, Oil - Rocker Cover
22	115B160	1			Gasket, Rocker Cover
22	115B130	1	1	2	Gasket, Rocker Cover
23	110A814	4	5	10	Screw, Hex Cap - 3/8-16 x 1-1/2" - Cylinder Head Mounting
24	110A1264	2	5	10	Screw, Hex Cap - 3/8-16 x 4-1/4" - Cylinder Head Mounting
25	526-174	4	5	10	Washer, Cylinder Head Mounting
26	520A627	2	1	2	Stud, Cylinder Head
27	800-31				Capcrew, Hex Head - 5/16-18 x 1-1/2" - Exhaust Manifold (Replaces 520A608 Stud)
28	410P228	1			Bolt, Eye Lifting
28	403A622		1		Bolt, Eye Lifting

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. B - CYLINDER HEAD, VALVE & ROCKER GROUP (Cont.)					
29	110A1305		1	2	Nut, Extension - Eye Bolt
29	403A620			1	Nut, Extension - Lifting Bar Stud
31	403A628				Bar Assembly, Lifting Eye and
32	110A546	1	2	4	Gasket, Glow Plug
33	333A37	1	2	4	Plug, Glow - Includes Gasket
34	115A151	2	4	8	Shield, Push Rod
35	509-84	4	8	16	Seal, "O" Ring - Push Rod Shield
36	115A155	2	4	8	Washer, Spring Retaining - Push Rod Shield
37	115A146	2	4	8	Spring, Retainer - Push Rod Shield
38	110B1353	1			Arm, Decompression Release
39	110A1351	1			Pin, Decompression Release
40	516-90	1			Pin, Roll - 3/16 x 1-3/8"
41	110A1356	1			Spring, Decompression Release
42	518-207	1			Ring, Retaining - Decompression Release - (Replaces 518-133)
43	815-84	1			Setscrew, Slotted - 1/4-20 x 7/8" - Decompression Release
44	870-134	1			Palnut - 1/4-20 - Decompression Release
FIG. C - CRANKSHAFT & FLYWHEEL GROUP					
1	104B462	1			Crankshaft
1	104B451		1		Crankshaft
1	104B464			1	Crankshaft
2	104B418	1	1	1	Gear, Crankshaft
3	104A416	1	1	1	Washer, Crankshaft Gear Retainer
4	518-188	1	1	1	Ring, Lock - Crankshaft Gear Washer

FIG. C - CRANKSHAFT & FLYWHEEL GROUP (Cont.)

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
5	104B423		1	1	Gear, Flywheel Ring
6	104D421	1			Flywheel
7	104B470		1	1	Flywheel - Includes Ring Gear
8	800-500	1	1	1	Screw, Hex Cap - 7/16-14 x 5-1/2" - Flywheel Mounting
9	526A185	1	1	1	Washer, Flywheel
10	515-1	1	1	1	Key, Crankshaft Gear
11	515-153	1	1	1	Key, Flywheel to Crankshaft

FIG. D - CAMSHAFT GROUP

1	105A248				Camshaft - Includes Center Pin
1	105A221	1			Camshaft - Includes Center Pin
1	105A240		1	1	Camshaft - Includes Center Pin
2	515-1	1	2	2	Key, Camshaft Gear or Injection Pump Drive Gear
3	150A75	1	1	1	Pin, Camshaft Center
4	105A205	1	1	1	Washer, Camshaft Thrust
5	105B218	1	1	1	Gear, Camshaft - Includes Flyball Spacer and Plate
6	510-46	10	10	10	Flyball, Governor
7	150C775	1	1	1	Cup, Governor
8	150A78	1	1	1	Ring, Snap - Center Pin
9	147B142		1	1	Gear, Injection Pump Drive
10	518-195		1	1	Ring, Snap - Injection Pump Drive Gear

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. E - PISTON & CONNECTING ROD GROUP					
1	113A101	1	2	4	Ring Set, Piston - For One Piston - Specify: Standard or .010", .020", .030" or .040" Oversize
2	112-95	1	2	4	Piston & Pin - Includes pin retaining rings - Specify: Standard or .010", .020", .030", or .040" Oversize
3	112A93	1	2	4	Pin, Piston - Specify: Standard or .002" Oversize
4	112A85	2	4	8	Ring, Piston Pin Retaining
5	114A169	1	2	4	Rod Assembly, Connecting (Forged) - Complete
6	114B164	2	4	8	Bearing Half - Connecting Rod - Specify: Standard or .002", .010", .020" or .030" Undersize
7	114A170	2	4	8	Bushing, Piston Pin - Connecting Rod (Semi-Finished)
8	805-12	2	4	8	Bolt, Place - Connecting Rod - 5/16-24 x 1-13/16"
FIG. F - GEAR COVER GROUP					
1	103C262	1	1		Cover Assembly, Gear - Complete - Includes parts marked ▲ - Replaces 103C241
1	103C262				Cover Assembly, Gear - Complete - Includes parts marked ▲ NOTE: For plants prior to Serial #692459 - (During Spec E) also order # 150B847 Governor Arm, and 103C251 Gasket to replace 103C236 Gear Cover previously used
1	103C262			1	Cover Assembly, Gear - Complete - Includes parts marked ▲
2	150B825		1		Arm and Shaft, Governor - Used Prior to Serial #692459 - (During Spec E) - NOTE: For replacement order #150B838 Shaft and #150B847 Arm
2A	150B838		1		▲ Shaft, Governor - Gear Cover - Used begin Serial #692459 - (During Spec E)
2A	150B838	1		1	▲ Shaft, Governor - Gear Cover
2B	150A856	1			Arm, Governor - Governor Shaft to Carburetor
2B	150B847		1		Arm, Governor - Governor Shaft to Carburetor - Used Begin Serial #692459 - (During Spec E)
2B	150B847			1	Arm, Governor - Governor Shaft to Carburetor
2C	815-176		1		▲ Screw, Hex Machine - #8-32 x 1/2" - Used Begin Serial #692459 - (During Spec E)
2C	815-176	1		1	▲ Screw, Hex Machine - #8-32 x 1/2"
3	516-117	1	1	1	▲ Pin, Roll - Governor Cup Stop (Located in gear cover)
▲ - Parts Included in Gear Cover Assembly.					

PARTS LIST

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. F - GEAR COVER GROUP (Cont.)					
4	150A777	1	1	1	▲ Yoke, Governor
5	518-129	1	1	1	▲ Ring, Yoke Retaining - "E" Shaped
6	509-88	1	1	1	▲ Seal, Oil - Governor Shaft
7	510P48	1	1	1	▲ Bearing, Needle - Governor Shaft - For 1/2" Shaft
8	510P49	1	1	1	▲ Bearing, Needle - Governor Shaft - For 1/4" Shaft
9	510-43	1	1	1	▲ Bearing, Ball - Governor Shaft Thrust - 5/16" - Replaces 510-14
9	510-14				▲ Bearing, Ball - Governor Shaft Thrust - 3/16" - Prior to Serial #692459 (During Spec E)
9	510-43				▲ Bearing, Ball - Governor Shaft Thrust - 5/16" - Begin Serial #692459 (During Spec E)
10	509-87	1	1	1	▲ Seal, Oil - Gear Cover
11	103C251	1	1	1	Gasket, Gear Cover - Previously listed 103C219 was never used.
11	103C219				Gasket, Gear Cover - (For cast iron gear cover) - Prior to Serial #692459 (During Spec E)
11	103C251	1	1	1	Gasket, Gear Cover - (For die cast gear cover) - Begin Serial #692459 (During Spec E)
12	103C218	1	1	1	Gasket, Gear Cover Backplate
13	103D226	1	1	1	Backplate, Gear Cover
13	103D220				Backplate, Gear Cover
14	103D221	1	1	1	Cover, Gear Cover Backplate Opening
15	160A721	1	1	1	Gasket, Start Disconnect Plate or Backplate Opening Cover
16	120A581	1	1	1	Line, Oil - Gear Cover (Used on early models only)
17	502A235	1	1	1	Connector, Restricted - Oil Line (Used on early models only)
18	502-30	1	1	1	Connector, Inverted Male - Oil Line (Used on early models only)
▲ - Parts included in Gear Cover Assembly.					
FIG. G - OIL SYSTEM GROUP					
1	120A547	1	1	1	Pump Assembly, Oil
2	120K580	1	1	1	Gasket Kit, Oil Pump
3	120A551	1	1	1	Cup Assembly, Oil Pump Intake
4	122A185	1	1	1	Filter, Oil

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. G - OIL SYSTEM GROUP (Cont.)					
5	122A188	1	1	1	Gasket, Oil Filter Adapter
6	122A182	1	1	1	Adapter Assembly, Oil Filter
7	193P122	1	1	1	Gauge, Oil Pressure
8	502A53	2	1	1	Elbow, Street - 45° - Oil Gauge or Low Oil Pressure Switch Mounting
9	505-57	1	1	1	Plug, Pipe - 1/8" Filter Adapter
10	502-19	1	1	1	Elbow, Inverted Male - Oil Line to Filter Adapter
11	120A562	1	1	1	Line, Oil - Filter Adapter to Cylinder Head
11	120A584	1	1	1	Line, Oil - Filter Adapter to Injection Pump Tee
12	502-30	2	2	2	Connector, Inverted Male - Injection Pump Tee
12	502-30	1	1	1	Connector, Inverted Male - Oil Line to Rear Cylinder Head
13	502A242	1	1	1	Tee, Restricted - Injection Pump Lubricating
13	502A242	1	1	1	Tee, Restricted - Cylinder Head Oil Lines
14	120A583	1	1	1	Line, Oil - Injection Pump Tee to Cylinder Head
15	502A235	1	1	1	Connector, Restricted - Oil Line to Cylinder Head
16	502-97	1	1	2	Connector, Inverted Male - Cylinder Head Oil Line Tee
17	120B575	1	1	1	Line, Oil - Rear Cylinder Head
18	120A539	1	1	1	Valve, Oil By-Pass
19	120A555	1	1	1	Spring, By-Pass Valve
20	505-274	1	1	1	Plug, Pipe - Countersunk - Oil By-Pass
21	309A104	1	1	1	Switch, Low Oil Pressure Cut-off
22	420P268	1	1	1	Wrench, Oil Filter
23	502A255	1	1	1	Tee, Inverted - Restricted - Air Trap Tube
24	120A598	1	1	1	Tube, Air Trap - Low Oil Pressure Switch
FIG. H - GOVERNOR GROUP					
1	150A821	1			Spring, Governor
1	150A846	1	1	1	Spring, Governor
2	150A822	1	1	1	Stud, Governor Adjusting

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. H - GOVERNOR GROUP (Cont.)					
3	104A91	1	1	1	Nut, Governor Adjusting Stud
4	150A812	1			Bracket Assembly, Governor Spring
4	150B814		1	1	Bracket Assembly, Governor Spring
5	150A883	1			Link, Governor
6	150A831		1	1	Linkage Assembly, Governor
7	150A639	2	2	2	Joint, Ball
8	870-131	2	2	2	Nut, Keps - Ball Joint
9	150A848		1	1	Spring, Governor Adjusting Stud
FIG. J - FUEL SYSTEM GROUP					
1	149K875	1	1	1	Repair Kit, Fuel Pump (Includes Diaphragm, Valves and Gaskets)
1	502-2	1	2	2	Elbow, Inverted Male - Fuel Pump Inlet or Outlet
1A	502-3	1			Connector, Inverted Male - Fuel Pump Outlet
2	149C852	1	1	1	Pump, Fuel Transfer
2	149C804		1	1	Pump, Fuel Transfer
2	149A792	1	1	1	Gasket, Fuel Transfer Pump Mounting
3	526-65	2	2	2	Washer, Copper - Fuel Pump Mounting
3A	149P517	1	1	1	Gasket, Fuel Pump Bowl
4	149P438	1	1	1	Filter Assembly, Fuel Pump - Brass Disc Type
5	149-116	1	1	1	Bowl, Fuel Pump - Glass
6	501A32	1	1	1	Line, Fuel Pump to Secondary Filter - (Replaces 149A895)
7	149B806	1			Line, Fuel Pump to Secondary Filter
8	502-54	1	1	1	Elbow, Street - Secondary Filter Inlet
9	149C408	1	1	1	Filter, Secondary Fuel - Includes Cartridge
10	149P428	1	1	1	Cartridge, Secondary Fuel Filter
11	149P456	1	1	1	Gasket, Secondary Filter - Bowl to Cover
12	149P455	1	1	1	Gasket, Secondary Filter - Cartridge to Head

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. J - FUEL SYSTEM GROUP (Cont.)					
13	149P493	1	1	1	Gasket, Secondary Filter - Cartridge to Retainer
14	501A103	1			Line, Fuel - Secondary Filter to Injection Pump
14	501A91		1	1	Line, Fuel - Secondary Filter to Injection Pump
15	502-41	1			Elbow, Inverted Male - Secondary Filter Outlet
15	502-41		2	2	Elbow, Inverted Male - (1) Secondary Filter Outlet, (1) Injection Pump Inlet
16	147C167	1			Pump, Fuel Injection
16	147C130		1		Pump, Fuel Injection
16	147C168			1	Pump, Fuel Injection
17	520A114		4	4	Stud, Injection Pump Mounting
18	509P101	1			Seal, "O" Ring - Injection Pump to Crankcase
18	509P94		1	1	Seal, "O" Ring - Injection Pump to Crankcase
18A	115A166	1			Tappet, Injection Pump
19	147K172	1			Shim Kit, Injection Pump Mounting
19	147K145		1	1	Shim Kit, Injection Pump Mounting
20	149B925	1			Line, Injection Pump to Nozzle - Includes Fittings
20	149B877		1		Line, Injection Pump to Nozzle - Includes Fittings - No. 1 Cylinder
20	149B872		1		Line, Injection Pump to Nozzle - Includes Fittings - No. 2 Cylinder
20	149C917			1	Line, Injection Pump to Nozzle - Includes Fittings - No. 1 Cylinder
20	149C918			1	Line, Injection Pump to Nozzle - Includes Fittings - No. 2 Cylinder
20	149D919			1	Line, Injection Pump to Nozzle - Includes Fittings - No. 3 Cylinder
20	149D920			1	Line, Injection Pump to Nozzle - Includes Fittings - No. 4 Cylinder
21	147A147		1	1	Button, Injection Pump Plunger - .119 - Marked A
21	147A148		1	1	Button, Injection Pump Plunger - .116 - Marked B
21	147A149		1	1	Button, Injection Pump Plunger - .113 - Marked C
21	147A150		1	1	Button, Injection Pump Plunger - .110 - Marked D
21	147A151		1	1	Button, Injection Pump Plunger - .107 - Marked E
21	147A161		1	1	Button, Injection Pump Plunger - .104 - Standard - No Marking
21	147A152		1	1	Button, Injection Pump Plunger - .101 - Marked F
21	147A153		1	1	Button, Injection Pump Plunger - .098 - Marked H
21	147A154		1	1	Button, Injection Pump Plunger - .095 - Marked J
21	147A155		1	1	Button, Injection Pump Plunger - .092 - Marked K
21	147A156		1	1	Button, Injection Pump Plunger - .089 - Marked L
22	502-48		1	1	Tee, Return Line (With provision for return line to tank)

NOTE: When ordering, always give port closing dimension and button code letter from old pump flange.

FIG. J - FUEL SYSTEM GROUP (Cont.)

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
22A	502-29		1	1	Bushing, Pipe - Return Line Tee to Pump Bleeder Valve
23	502-176		1	1	Adapter, Pipe - Bleeder Valve to Pump
24	147P162		1	1	Valve, Bleeder - Injection Pump
25	147B136		2	4	Nozzle and Holder Assembly
26	147P134	1	2	4	Nozzle Only - Component of Nozzle and Holder Assembly
27	147A141	1	2	4	Flange, Injection Nozzle Hold-down
28	147A44	1	2	4	Shield, Nozzle Heat
29	147A43	1	2	4	Gasket, Nozzle Heat
30	110A419	1	2	4	Gasket, Shield to Head
31	Describe	1			Line, Nozzle Fuel Return
31	149B863		1		Line, Nozzle Fuel Return - No. 1 Cylinder (14-3/8")
31	149B864		1		Line, Nozzle Fuel Return - No. 2 Cylinder (10-1/8")
31	149B909			1	Line, Nozzle Fuel Return - No. 1 Cylinder (16-7/16")
31	149B908			1	Line, Nozzle Fuel Return - No. 2 and 3 Cylinder (12-5/8")
31	149B910			1	Line, Nozzle Fuel Return - No. 4 Cylinder (16-7/16")
33	149A865		1		Line, Injection Pump to Fuel Return Lines Tee
33	149A907			1	Line, Injection Pump to Fuel Return Lines Tee
34	Describe				Elbow, Street - Nozzle (Fuel Return Line)
34	502-65		2	4	Elbow, Street - Nozzle (Fuel Return Line)
35	502-102		1		Tee, Return Lines
35	502A245			1	Adapter, Return Lines
36	141A281	1	1		Gasket, Air Cleaner Adapter to Engine
37	140C576	1	1		Adapter, Air Cleaner
37A	505-54			1	Plug, Pipe - 1/4" - Air Cleaner Adapter and Intake Manifold
37B	520A526		2		Stud, Air Cleaner Adapter Mounting
38	140A584	1	1	1	Gasket, Air Cleaner
39	123A769	1			Hose Assembly, Breather (Replaces 503A391)
39	503A384		1		Hose, Breather
39	503A389			1	Hose, Breather
40	140C595	1	1	1	Pan, Air Cleaner

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
					FIG. J - FUEL SYSTEM GROUP (Cont.)
41	140B640	1	1	1	Element, Air Cleaner - Foam Type (NOTE: Order also 140B641 Retainer to replace folded paper type used on early models)
41A	140B641	1	1	1	Retainer, Air Cleaner Element (Used with Foam Type Element only)
42	140C594	1	1	1	Cover, Air Cleaner
43	520A621	2	2	2	Stud, Air Cleaner
44	871-70	2	2	2	Nut, Knurled - Brass - Air Cleaner
45	140A602	2	2	2	Washer, Rubber - Air Cleaner
46	154P712	1	1		Heater, Manifold - 12 Volt
46	154P768			1	Heater, Manifold - 12 Volt
47	336A1380	1			Lead, Glow Plug to Air Heater
47	336A1314		1		Lead, Glow Plug to Air Heater - No. 1 Cylinder (10-1/4")
47	336A1313		1		Lead, Glow Plug to Air Heater - No. 2 Cylinder (5-1/4")
47	336A1333			1	Lead, Glow Plug to Air Heater - No. 1 Cylinder (18")
47	336A1332			3	Lead, Glow Plug to Air Heater - No. 2, 3 and 4 Cylinder (10-1/4")
48	Describe	1			Lead, Air Heater to Solenoid in Control
48	336A1346		1		Lead, Air Heater to Solenoid in Control
48	336A1331			1	Lead, Air Heater to Solenoid in Control
49	147B133	1			Adapter, Injection Nozzle
49	147B133		1		Adapter, Injection Nozzle - No. 1 Cylinder
49	147B133			2	Adapter, Injection Nozzle - No. 1 and 3 Cylinders
49	147B132		1		Adapter, Injection Nozzle - No. 2 Cylinder
49	147B132			2	Adapter, Injection Nozzle - No. 2 and 4 Cylinders
50	154D760			1	Manifold, Intake
51	154A733			2	Gasket, Intake Manifold
52	415A126	1	1		Tank, Fuel - 5 Gallon
53	504A16	1	1		Valve, Shut-off - Fuel Tank
54	501A10	1	1		Line, Fuel - Tank to Pump - Replaces 501A9
54	501A104	1	1		Line, Fuel Tank Return - Replaces 501A27
55	415B124	1	1		Cap, Rain (With provision for fuel return line)

DESCRIPTION

FIG. K - MANIFOLD AND EXHAUST GROUP

Manifold, Exhaust
 Manifold, Exhaust
 Manifold, Exhaust
 Gasket, Exhaust Manifold
 Tube, Exhaust
 Tube, Exhaust
 Coupling, Pipe (1-1/4") - Exhaust
 Muffler, Exhaust
 Muffler, Exhaust
 Flange, Exhaust
 Gasket, Exhaust Outlet

QUANT. USED

A B C

1 154C704 1
 1 154C633 1
 1 154D714 1
 2 154A463 2
 3 155B492 1
 3 Describe 1
 5 505-31 1
 6 155B330 1
 6 Describe 1
 7 155A782 1
 8 154A738 1

FIG. L - AUTOMOTIVE STARTER GROUP

Motor, Starter - 12 Volt - Autolite #MEO-6003
 Flange, Starter Mounting
 Spacer, Starter Flange
 Bracket, Starter Support
 Stud, Battery Cable Ground
 Harness, Wiring - Starter to Control
 Harness, Wiring - Starter to Control
 Cable, Battery

1 191C324 1
 2 191C310 1
 3 191A311 1
 4 191A365 1
 5 520A624 1
 6 338B255 1
 6 338B265 1
 7 416A21 2

* - For Starter Components, Contact nearest Autolite Dealer giving Autolite Model No.

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. M - ANTI-FLICKER GROUP					
1	166B316	1			Point Set, Anti-Flicker
2	160A800	1			Plunger, Breaker
3	160A799	1			Guide, Breaker Plunger
4	160A263	1			Diaphragm, Breaker Plunger
5	509-91	1			Seal, "O" Ring
6	160B796	1			Cover, Anti-Flicker
7	312A57	1			Condenser - 1. Mfd (Mounts in control box, also listed in Control Group)
FIG. N - START-DISCONNECT PLATE & STOP SOLENOID GROUP					
1	191C364		1	1	Plate - Start-Disconnect Switch
2	309A134		1	1	Switch Assembly, Start-Disconnect
3	309A152		1	1	Plunger, Switch
4	160A263		1	1	Diaphragm, Switch Plunger
5	160A720		1	1	Spacer, Start-Disconnect Switch Plate
6	160A721		1	1	Gasket, Start-Disconnect Plate
7	191B392		1	1	Cover, Start-Disconnect Switch Plate
8	191B388		1	1	Control Assembly, Start-Disconnect Switch
9	160A711		2	2	Spring, Weight - Included in Switch Control Assembly
10	160A806		1	1	Disc, Thrust Plunger
11	160A774		1	1	Plunger, Thrust
12	160A773		1	1	Spring, Thrust Plunger
13	307B628	1	1	1	Solenoid, Stopping - 12 Volt - Autolite #SSC-4003
14	306A162		1	1	Retainer, Solenoid Plunger
15	306A161		1	1	Spring, Solenoid Plunger
16	306A159		1	1	Plunger, Solenoid
17	518-203		1	1	Ring, Snap - Spring Retaining
18	336A706		1	1	Lead, Solenoid Ground

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. N - START-DISCONNECT PLATE & STOP SOLENOID GROUP (Cont.)					
19	338B258		1	1	Harness, Wiring - Switch Plate to Control
20	306A167	1			Plunger, Solenoid - Includes Pin
21	306A166	1			Spring, Solenoid Plunger
22	509P18	1			Seal, "O" Ring - Stop Solenoid
FIG. O - AIR HOUSING GROUP					
1	134D1050	1			Housing, Blower
1	134D1087		1	1	Housing, Blower
2	134D1048	1	1	1	Housing, Cylinder Air - Front (Flywheel End)
3	134C1127	1			Housing, Cylinder Air - Rear
3	134C1051		1	1	Housing, Cylinder Air - Rear
4	134D1102	1			Pan, Cylinder Air Housing (Bottom)
4	134D1037		1	1	Pan, Cylinder Air Housing (Bottom)
4	134D1093			1	Pan, Cylinder Air Housing (Bottom)
5	134C1130	1			Cover, Nozzle and Housing
5	134C1125		1	1	Cover, Nozzle and Housing
5	134D1200			1	Cover, Nozzle and Housing
5B	134B1131	1			Cover, Housing - Plain
6	134D1117	1			Panel, Air Housing Door
6	134D1039		1		Panel, Air Housing Door
6	134D1202			1	Panel, Air Housing Door
7	134A1082	1			Bracket, Air Housing Door Panel
7	134A1089		1	2	Bracket, Air Housing Door Panel
8	134A1179	5	5	6	Screw, Fastener - Door Panel
9	134A1180	10	10	12	Washer, Fastener Screw Retainer - Door Panel
10	870-178	5	5	6	"J" Clip, Fastener Screw - Door Panel

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. O - AIR HOUSING GROUP (Cont.)					
11	134B1085	1			Support, Blower Housing and Grille
11	134B1088		1	1	Support, Blower Housing and Grille
12	134D1178	1	1		Grille, Crank Support and
13	134A1092	3	3	3	Retainer, Grille
14	134B1097			1	Baffle, Center Cylinder - (Injection Pump Side)
15	134B1098			1	Baffle, Center Cylinder - (Opposite Pump Side)
16					Grommet, Rubber - Housing -
	508A5	1		2	For 9/16" Hole
	508P21	3	2		For 3/4" Hole
FIG. P - GENERATOR GROUP (Revolving Armature Type)					
1	231E100	1			Adapter, Generator to Engine
2	205C65	1			Blower, Generator
3	515-6	1			Key, Blower to Crankshaft
4					Armature Assembly - Includes Bearing and Blower -
	200A761	1			For 120 Volt, 60 Cycle Plants
	200A799	1			For 120/240 Volt, 60 Cycle Plants
5	510A47	1			Bearing, Ball - Armature
6	232A596	1			Clip, Bearing Stop
7	210D348	1			Frame Only - Less Coils and Poleshoes
8	221A91	4			Shoe, Pole - Field
9	222A1593	1			Coil Assembly, Field - Set of 4 Coils
					Rig Assembly, Brush -
	212C225	1			For 120 Volt, 60 Cycle Plants
10	212C224	1			For 120/240 Volt, 60 Cycle Plants

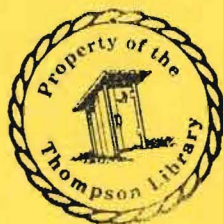
REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
					FIG. P - GENERATOR GROUP (Revolving Armature Type) (Cont.)
					Spring, Brush -
11	212B1105	8			For 120 Volt, 60 Cycle Plants - Collector Ring (AC) and Commutator (DC)
12	212A1003	4			For 120/240 Volt, 60 Cycle Plants - Commutator (DC)
12	212A1004	3			For 120/240 Volt, 60 Cycle Plants - Collector Ring (AC)
13					Brush, Commutator (DC) -
	214A61	4			For 120 Volt, 60 Cycle Plants
	214A30	4			For 120/240 Volt, 60 Cycle Plants
14					Brush, Collector Ring (AC) -
	214A50	4			For 120 Volt, 60 Cycle Plants
	214A62	3			For 120/240 Volt, 60 Cycle Plants
15					Bell, End -
	211D97	1			For 120 Volt, 60 Cycle Plants
	211D98	1			For 120/240 Volt, 60 Cycle Plants
16	520A502	2			Stud, Generator Through
17					Stud, Armature Through -
	520A491	1			For 120 Volt, 60 Cycle Plants
	520A525	1			For 120/240 Volt, 60 Cycle Plants
18	232C1256	1			Baffle, Generator Air
19					Band, End Bell -
	234B2	1			For 120 Volt, 60 Cycle Plants
	234B5	1			For 120/240 Volt, 60 Cycle Plants
20	211C99	1			Cover, End Bell
21					Condenser -
	312A58	1			AC - .1 Mfd - For 120 Volt, 60 Cycle Plants
	312A58	2			AC - .1 Mfd - For 120/240 Volt, 60 Cycle Plants
	312A17	1			DC - .5 Mfd.

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. Q - GENERATOR GROUP - ALTERNATOR PORTION (Revolving Field Type)					
1	231E99		1	1	Adapter, Generator to Engine
2	205C64		1	1	Blower, Generator
3	515-6		1	1	Key, Blower to Crankshaft
4	234B162		1	1	Baffle, Generator Air
5					Rotor Assembly, Wound - Includes Bearing and Blower - Prior to Spec "C"
	201A1086		1		Begin Spec "C"
	201A1123		1		Rotor Assembly, Wound - Includes Bearing and Blower
6	201A1124		1	1	Bearing, Ball
7	510A47		1	1	Clip, Bearing Stop
8	232A596		1	1	Stator Assembly, Wound - For 120/240 Volt, 60 Cycle, Single Phase
	220A597		1		For 120/208 Volt, 60 Cycle, Three Phase
	220A640		1		For 120/240 Volt, 60 Cycle, Three Phase
	220A641		1		For 120/208 Volt, 60 Cycle, Three Phase
	220A600			1	For 120/208 Volt, 60 Cycle Plants
	220A602			1	For 120/208 Volt, 60 Cycle Plants
9	211E138		1		Bell, End - Alternator to Exciter
9	211E146			1	Bell, End - Alternator to Exciter
10	520A605		4		Stud, Generator Through
10	520A639			4	Stud, Generator Through
11	520A611		1		Stud, Rotor Through
11	520A614			1	Stud, Rotor Through
12	212A1064		2	2	Block, Guide - Collector Ring Brush
13	214A59		4	4	Brush, Collector Ring
14	234B172		1	1	Cover, Air Outlet
15	870-177		1	1	Clip, Fastening - Air Outlet Cover
16	304A500		1	1	Resistor, Tapped Adjustable (Also listed in control group)
17	232A1565		1	1	Bracket, Resistor Mounting
18	304A6		2	2	Washer, Resistor Centering
19	520A620		1	1	Stud, Resistor Mounting
20	866-1		1	1	Nut, Acorn - Resistor Mounting

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. Q - GENERATOR GROUP - ALTERNATOR PORTION (Revolving Field Type) (Cont.)					
21	232A1567		1	1	Nut, Rotor Through Stud
22	526-186		1	1	Washer, Rotor Through Stud
23	508-2		1	1	Grommet, Rubber - For 7/16" Hole
FIG. R - GENERATOR GROUP - EXCITER PORTION					
1	234C154	1			Cover, Exciter
1	234D185		1	1	Cover, Exciter
2	234B153		1		Panel Only, Exciter
2	234C188			1	Panel Only, Exciter
3		2			Reactor, Gate -
	315A84		2		Prior to Spec "C"
	315A99		2		Begin Spec "C"
	315A102			2	Reactor, Gate
4	232A1553	2		2	Gasket, Gate Reactor Mounting - Outer
5	232A1551	2		2	Gasket, Gate Reactor Mounting - Inner
6	232A1552	2		2	Retainer, Gate Reactor
7	520A211	1			Stud, Gate Reactor Mounting
8					Rectifier Assembly, Resistor and - Complete -
	305C242	1			Prior to Spec "C"
	305C259	1			Begin Spec "C"
	305C264			1	Rectifier Assembly, Resistor and - Complete
					Rectifier Only -
9	305P238	2		2	Power Field - Negative Stud (Red Lead)
9A	305P239	2		2	Power Field - Positive Stud (Black Lead)
10	305P240	4		4	Voltage Control

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. R - GENERATOR GROUP - EXCITER PORTION (Cont.)					
11	304P476	1			Resistor - Prior to Spec "C" (500 Ohm, 5 Watt)
	304P509	1			Begin Spec "C" (400 Ohm, 5 Watt)
	304-512		1		Resistor (150 Ohm, 50 Watt)
12	332A699	1			Block, Terminal - 6 Place
12	332A745		1		Block, Terminal - 7 Place
13					Strip, Block Marker -
	332A700	1			Prior to Spec "C" (Marked F2, E1, E2, C1, C2, C3)
	332A738	1			Begin Spec "C" (Marked F2, E1, E2, 31, 32, 33)
14	332A746			1	Marked F1, F2, E1, E2, 31, 32, 33
					Resistor -
	304A489	1			Prior to Spec "C" - Fixed (200 Ohm, 50 Watt) 3/4 x 3-1/2"
15	304A511	1			Begin Spec "C" - Tapped - 500 Ohm (425 Fixed, 75 Adjustable) 3/4 x 3-1/2"
	304-527		1		Tapped - 500 Ohm (425 Fixed, 75 Adjustable) 3/4 x 4-1/2"
	304A15	4	4		Washer, Resistor Centering - NOTE: 2 only used Column B Prior to Spec "C"
16	232A1550	2	2		Spacer, Resistor Mounting
					Reactor, Voltage Control
	315A85	1			Prior to Spec "C"
17	315A100	1			Begin Spec "C"
					Reactor, Voltage Control
	315A100			1	Gasket, Voltage Control Reactor Mounting
18	232A1548	2		2	Relay, Field Build up - Prior to Spec "C"
19	307A584	1			Screw, Round Head Machine - #10-24 x 4-1/2" - Tapped Resistor Mounting
20	812-116	1			Stud, Tapped Resistor Mounting
20	520A641		1		Clip, Tinnerman
21	332-50	1		1	Grommet, Rubber - For 7/8" Hole
22	508P8	1		1	Cover, Relay - Prior to Spec "C"
23	307A643	1			Resistor, Fixed (250 Ohm, 25 Watt) 3/4 x 2" - Begin Spec "C"
24	304A510	1			Resistor, Fixed (250 Ohm, 25 Watt) 3/4 x 2"
24	304A510		1		Switch, Residual Reset
25	308A175		1		Washer, Retainer - Voltage Control Reactor
26	526-173	1		1	

REF. NO.	PART NO.	QUANT. USED			DESCRIPTION
		A	B	C	
FIG. S - CONTROL GROUP					
1	301D2008	1			Box, Control
1	301C1962		1	1	Box, Control
2	301B1963	1	1	1	Cover, Control Box
3	301C2009	1			Panel, Control Box
3	301D1961		1	1	Panel, Control Box
4	301C2035	1			Bracket, Control Box Mounting
	301C1968		1		Bracket, Control Box Mounting
4A	301B1979			1	Bracket, Control Box Mounting - R.H.
5	301B1980	1		1	Bracket, Control Box Mounting - L.H.
6	307B4				Relay, Decompression Solenoid Relay
6	307B597		1	1	Relay, Ignition Start
7	307B180	1			Relay, Reverse Current
8	307B40	2	2	2	Solenoid, Manifold Heater and Start
9	307B623		1	1	Relay, Ignition
12	308P154	1	1	1	Switch, Start-Stop
13	308P37	1	1	1	Switch, Manifold Heater
14	302A446	1	1	1	Ammeter, Charge (5-0-5)
15	305A235		1	1	Rectifier - 10 Amp - 100 Volt Peak
16	305A254		1	1	Bracket, Rectifier
17	301B2012	1			Cover, Resistor
18	304A32	1	1	1	Resistor, Fixed (15 Ohm, 10 Watt)
19	304A506	1			Resistor, Adjustable (6 Ohm, 150 Watt)
19	304A175	1			Resistor, Flicker - Adjustable (1 Ohm, 50 Watt)
20	332A604	1	1	1	Block, Terminal - 5 Place
21	332A609	1			Block, Terminal - 2 Place
22	332A706		1	1	Block, Terminal - 8 Place
24	332A616	1	1	1	Strip, Block Marker (Marked B +, 1, 2, 3, H)
25	332A739		1	1	Strip, Block Marker (Marked 4, 5, 6, 7)
26	332K750		1	1	Kit, Polarity Marker Strip



For Genuine Onan Parts and Service, see your Onan Parts and Service Center. In most major cities they are listed in the classified section of the telephone directory. See Generators-Electric.



The illustration shows a man with a friendly expression, wearing a cap that says "ONAN PARTS". He is holding a large box labeled "GENUINE ONAN PARTS". He is pointing with a stick to a large, torn-edge sign that reads "Generators-Electric". The sign lists "ONAN ELECTRIC PLANTS" with details about gas, gasoline, and diesel engine-driven plants, ranging from 500 to 200,000 Watts A.C. It also mentions D.C. battery chargers, marine plants, magnet chargers, and separate generators. The Onan logo is on the sign. At the bottom of the sign, it says "FOR INFORMATION CALL".

Generators-Electric

ONAN ELECTRIC PLANTS

Gas, Gasoline & Diesel
Engine-Driven
Electric Generating Plants. 500 to
200,000 Watts A.C. Also D.C. Battery
Chargers, Marine Plants, Magnet
Chargers & Separate Generators.

Onan

"FOR INFORMATION CALL"

**Write the factory for a
complete current listing of
Onan World Wide Parts
and Service Centers.**

